

FIFTH WEEK - SUPERCONDUCTING MAGNETS

Chairman: W.B. SAMPSON, Brookhaven National Laboratory

Bill Sampson's week on superconducting magnets was the most popular of the Summer Study. Superconducting magnets were described, from the huge affairs under construction for large bubble chambers to miniature units suitable for transport of particle beams. It was during this week that Peter Smith of the Rutherford Laboratory brought forward his suggestions for stabilizing superconducting magnets and for reducing ac losses. These ideas already have inspired programs in a number of laboratories; thus far Smith appears to have been correct in all of his predictions.



LEFT: Chairman W.B. Sampson with P.F. Smith of the Rutherford Laboratory. RIGHT: M. Morpurgo of CERN discusses a point with D. Bruce Montgomery of the Francis Bitter National Magnet Laboratory.



UPPER LEFT: A. Asner of CERN and D.N. Cornish of the Culham Laboratory reported on the CERN-Culham co-operative effort on a CERN superconducting quadrupole. **UPPER RIGHT:** P. Lazeyras and R. Wittgenstein of CERN; R.B. Meuser of LRL, Berkeley. **LOWER LEFT:** D. Bruce Montgomery of the National Magnet Laboratory and C.N. Whetstone of Cryomagnetics

exchange information; in the background are M. Morpurgo of CERN and H.M. Long of Union Carbide. **LOWER RIGHT:** J.D. Lawson of the Rutherford Laboratory, J. Alcorn of SLAC, R.B. Meuser of LRL, Berkeley, M. Snowden of the Rutherford Laboratory listen to a point being made by J.P. Blewett of Brookhaven at a party given by Brookhaven's Director.